## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000748

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Α.	CLASSIFICATION OF SUBJECT MATTER				
Int. Cl. 7:	G05D 23/13				
According to	International Patent Classification (IPC) or to be	th national classification and IPC			
L	FIELDS SEARCHED				
	mentation searched (classification system followed b				
Documentation	searched other than minimum documentation to the	extent that such documents are included in the fields sear	ched		
Electronic data WPAT. Kev	base consulted during the international search (name words: thermostat, mixing, valve, piston, ch	of data base and, where practicable, search terms used)			
	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
X	CA 2409492 A1 (MAGARL, LLC) 24 A Whole document.	pril 2003	1 to 22		
x	US 4475684 A (GARLICK et al) 9 Octo Whole document including figure 3 par	ber 1984 ts 17 and 21	21 and 22		
	rther documents are listed in the continuati	on of Box C. X See patent family ann	ex		
"A" document	tegories of cited documents: defining the general state of the art which is "T" ered to be of particular relevance	later document published after the international filing date or p conflict with the application but cited to understand the princip	riority date and not in		
"E" earlier application or patent but published on or after the international filing date  underlying the invention  document of particular relevance; the claimed invention cannot be considered nor cannot be considered to involve an inventive step when the document is taken					
"L" document or which is another cit	be considered to				
or other m	referring to an oral disclosure, use, exhibition eans	such documents, such combination being obvious to a person si document member of the same patent family	killed in the art		
"P" document but later th	published prior to the international filing date an the priority date claimed	• .			
Date of the actual	completion of the international search	Date of mailing of the international search report			
16 September		<u>-</u>	27 SEP 2004		
AUSTRALIAN F PO BOX 200, W	g address of the ISA/AU PATENT OFFICE ODEN ACT 2606, AUSTRALIA ct@ipaustralia.gov.au 2) 6285 3929	Authorized officer  RICHARD REED  Telephone No: (02) 6283 7927			

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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This intern	ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.:
	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.:
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
٠	
3.	Claims Nos.:
·	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
Claims expans 22 lack	ational Searching Authority found multiple inventions in this international application, as follows:  I to 20 relate to a first invention of a mixing valve having a piston that can move due to continued ion of the thermostatic element after the piston has closed off the second fluid inlet. Claims 21 and any reference to this feature and so relate to a second invention. Accordingly, the indicated claims uity or invention.
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on	Protest
	No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/AU2004/000748

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report		· ·	Pate	ent Family Member		·
CA	2409492	US	2003075611	US	2004035944	US	2004084541
US	4475684	ΑÜ	17178/83				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX